

Title (en)

PREPARATION COMPRISING ANTI-PD-1/HER2 BISPECIFIC ANTIBODY, AND PREPARATION METHOD THEREFOR AND USE THEREOF

Title (de)

PRÄPARAT MIT ANTI-PD-1/HER2-BISPEZIFISCHEM ANTIKÖRPER SOWIE VERFAHREN ZU SEINER HERSTELLUNG UND VERWENDUNG DAVON

Title (fr)

PRÉPARATION COMPRENANT UN ANTICORPS BISPÉCIFIQUE ANTI-PD 1/HER2, SON PROCÉDÉ DE PRÉPARATION ET SON UTILISATION

Publication

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Application

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Abstract (en)

[origin: EP4011390A1] The present invention relates to formulations comprising an anti-PD-1/HER2 bispecific antibody, and in particular to a pharmaceutical formulation comprising the anti-PD-1/HER2 bispecific antibody, a buffer, a stabilizer and a surfactant. Furthermore, the present invention also relates to therapeutic or prophylactic use of these formulations.

IPC 8 full level

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Citation (search report)

- [I] WO 2018090950 A1 20180524 - BEIJING HANMI PHARMACEUTICAL CO LTD [CN]
- [I] VIOLA MARGARIDA ET AL: "Subcutaneous delivery of monoclonal antibodies: How do we get there?", JOURNAL OF CONTROLLED RELEASE, ELSEVIER, AMSTERDAM, NL, vol. 286, 2 August 2018 (2018-08-02), pages 301 - 314, XP085478006, ISSN: 0168-3659, DOI: 10.1016/J.JCONREL.2018.08.001
- [I] NEAL WHITAKER ET AL: "A Formulation Development Approach to Identify and Select Stable Ultra-High-Concentration Monoclonal Antibody Formulations With Reduced Viscosities", JOURNAL OF PHARMACEUTICAL SCIENCES, vol. 106, no. 11, 1 November 2017 (2017-11-01), US, pages 3230 - 3241, XP055449627, ISSN: 0022-3549, DOI: 10.1016/j.xphs.2017.06.017
- [I] UCHIYAMA SUSUMU ED - SHUGAR DAVID ET AL: "Liquid formulation for antibody drugs", BIOCHIMICA ET BIOPHYSICA ACTA (BBA) - PROTEINS & PROTEOMICS, ELSEVIER, NETHERLANDS, vol. 1844, no. 11, 13 August 2014 (2014-08-13), pages 2041 - 2052, XP029050319, ISSN: 1570-9639, DOI: 10.1016/J.BBAPAP.2014.07.016
- [I] J KANG ET AL: "Rapid Formulation Development for Monoclonal Antibodies - BioProcess InternationalBioProcess International", 12 April 2016 (2016-04-12), XP055349129, Retrieved from the Internet <URL:<http://www.bioprocessintl.com/manufacturing/formulation/rapid-formulation-development-for-monoclonal-antibodies/>> [retrieved on 20170223]
- See also references of WO 2021023267A1

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TW 109126706 A 20200806; US 202017631641 A 20200806